

What Is The Relevance Of TIMSS And PISA Data For Mathematics Educators?

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Abstract

Many mathematics educators in the United States have been paying attention to what other countries around the world are doing in mathematics education. Indeed, a number of countries around the world have done well in improving their mathematics education practices. Mathematics educators in the U.S. can learn from such successful nations. Thus, this article highlights data from the 2011 Trends in International Mathematics and Science Study (TIMSS), and what conclusions can drawn from it, along with past TIMSS. Data from the PISA studies (Programme for International Assessment) will be examined as well.



Steve Krevisky has been professor of mathematics at Middlesex Community College, Middletown, CT, since 1985, teaching a range of courses from pre-algebra to calculus, and occasionally beyond. He is also Past President of both the MATYCONN and NEMATYC affiliates, and system co-coordinator of the state of Connecticut system-wide mathematics contest. Steve was the 2013 recipient of Middlesex Community College Educational Excellence and Distinguished Service award. The stipend from this award will be used to co-present at the summer 2014 Ethnomathematics conference in Mozambique, and to provide workshops for mathematics teachers in Nigeria.

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